Avaya Video Camera 100 Installation Guide

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Welcome to Avaya Video Communications Systems

Avaya high definition video communications systems enable anyone with dispersed colleagues and operations to collaborate more clearly and effectively. Each system is designed to make video communication a highly productive, simple, and reliable experience.

This guide explains how to install Avaya Video Camera 100 for use with an Avaya video communications system. Related documentation is available from the documentation CD included in the product box and from support.avaya.com.

Installation Overview

Avaya Video Camera 100 is a fixed focus camera that includes microphones for audio input during calls. Installing Avaya Video Camera 100 includes the following tasks:

1. Attach the camera to a mount.
2. Remove the lens cap.
3. Connect the camera to the codec.
4. Adjust the camera position, if necessary.
5. Select the device you wish to use as the active microphone for audio input during calls.

Installation Prerequisites

Before installing Avaya Video Camera 100, complete the following tasks:

- Select a mounting option for the camera:
  - **desktop mount**—a movable mount for positioning the camera on a desk or table.
  - **display mount**—a fixed mount for positioning the camera on top of a display connected to your Avaya video communications system. The mount attaches to the display with an adhesive tape located under the base of the mount. The adhesive requires 72 hours to achieve full bond strength at room temperature. Plan your installation to allow time for the adhesive to bond securely to the display.

    The adhesive tape is intended for a single use and permanent application. Avaya recommends that you determine the optimal area for placing the camera by removing the lens cap and connecting it to the codec as described in this document before attaching the mount to the display. For information about techniques that you may consider for removing the adhesive tape and cleaning the adhesive residue from the display surface, contact the 3M company to obtain product documentation for 3M VHB tapes. To obtain a replacement display mount, contact your Avaya reseller.

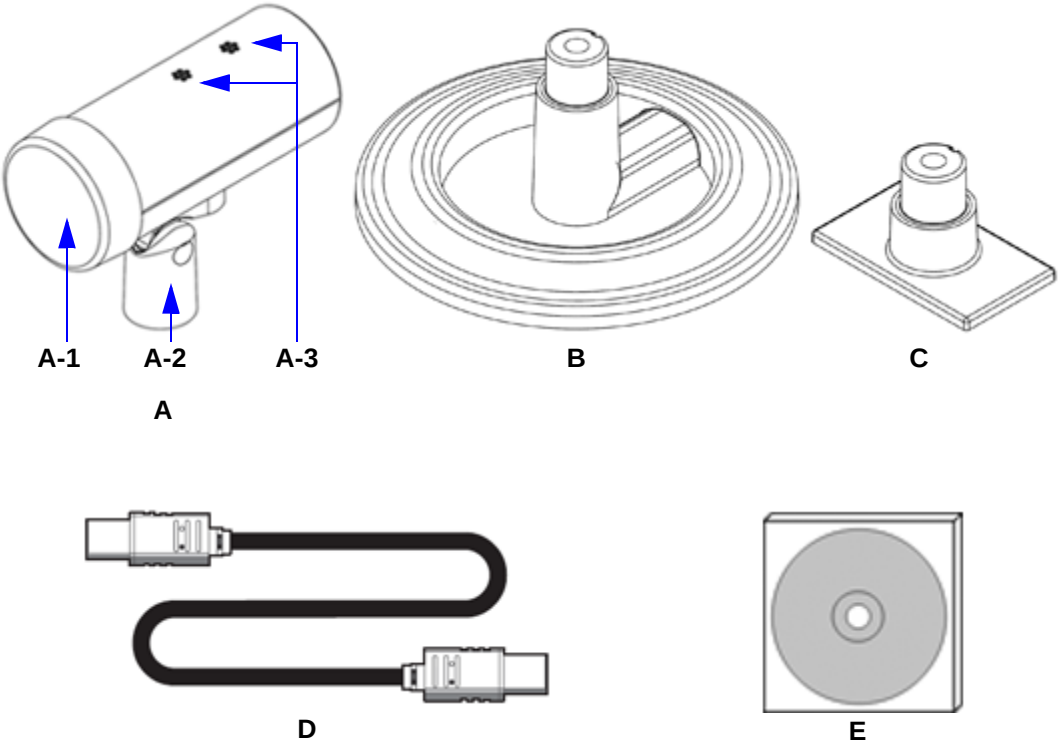
  WARNING: Use the desktop and display mounts on a horizontal surface only. Using either mount on a vertical surface or on a surface with a slope greater than 10 degrees may cause the camera to detach from the mount resulting in damage to the camera.

  - **tripod socket**—a 1/4-20 UNC threaded socket for connecting the camera to a tripod. Refer to “Using the Tripod Socket” on page 9.

    Note: Avaya Video Camera 100 does not include a tripod.
- If you intend to use the camera as the active microphone for audio input during calls, follow these guidelines to optimize camera placement:
  - Avoid placing the camera less than .5 meters (1.64 feet) away from the front of the speakers connected to your Avaya video communications system.
  - Avoid placing devices that generate noise (such as fans or personal computers) between video conference participants and the camera.
  - The camera microphones attenuate sound directed at the back of the camera. Place the camera in a location that ensures video conference participants speak in front of the camera from a distance greater than .5 meters but less than 2.5 meters (8.2 feet).

Installing Avaya Video Camera 100

Avaya Video Camera 100 includes the following components:



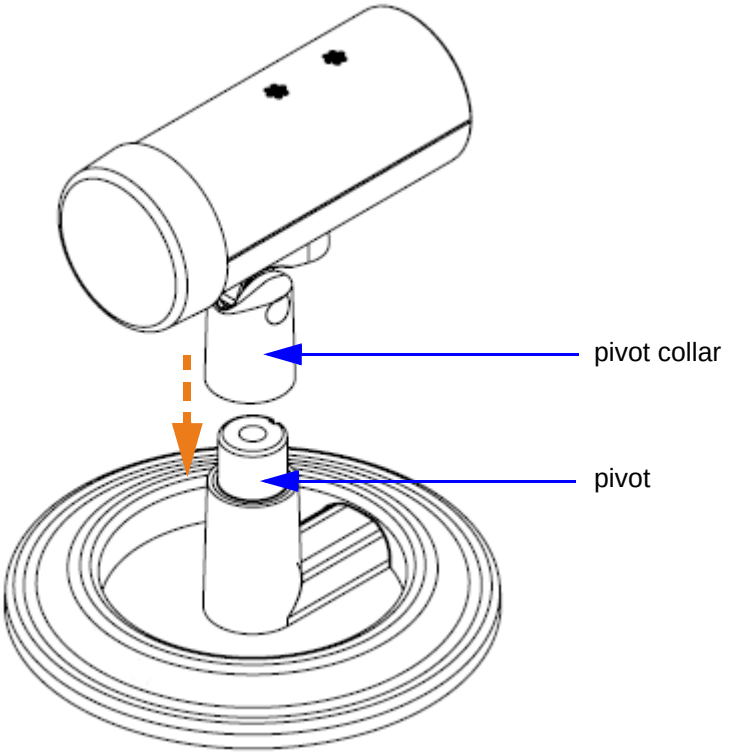
Component	Description
A	camera with lens cap (A-1), pivot collar (A-2), and microphones (A-3)
B	desktop mount
C	display mount
D	camera cable (3 meters)
E	documentation CD

1. Attaching the Camera to a Mount

Follow the instructions in this section to attach the camera to a mount.

Attaching the Desktop Mount

To attach the camera to the desktop mount, slide the pivot collar on the camera over the pivot on the mount.



Attaching the Display Mount

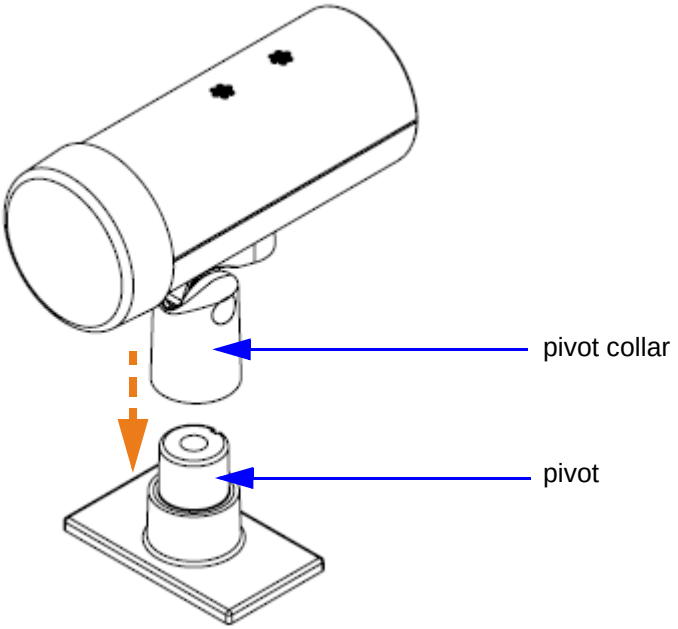
To attach the camera to the display mount, follow these steps:

1. Ensure that the temperature in the room in which the display is located is at least 60°F (15°C). The ideal temperature range for applying the adhesive tape on the mount is 70°F to 100°F (21°C to 38°C).

   WARNING: At temperatures below 60°F (15°C), the adhesive may fail to adhere readily to the display.

2. Ensure that the area on top of the display where you intend to attach the mount meets the following conditions:
   - horizontal
   - clean (free of dirt, dust, oil, and other residues)
   - dry and free of condensed moisture
3. Remove the red film from the adhesive under the display mount.
4. Press the mount firmly into place on top of the display.
5. Allow the adhesive to bond to the display. At room temperature, the bond formed by the adhesive reaches full strength after 72 hours.

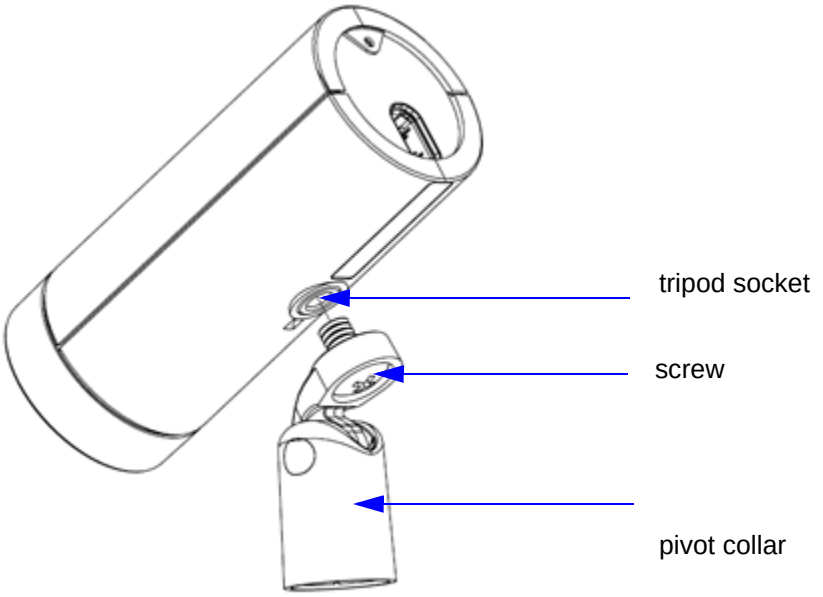
   WARNING: Ensure that the mount is securely attached to the display before proceeding with the installation. An insecure mount can fail resulting in damage to the camera.
6. Attach the camera to the display mount by sliding the pivot collar on the camera over the pivot on the mount.



Using the Tripod Socket

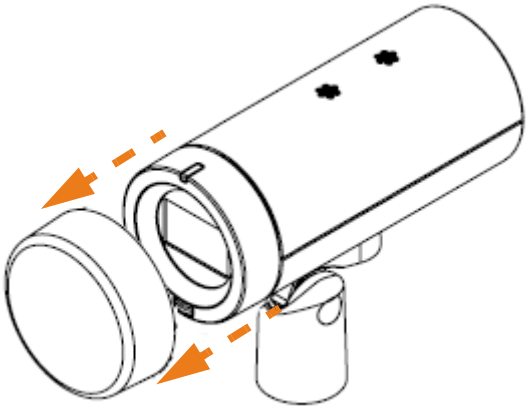
The tripod socket and a screw secure the pivot collar to the camera. To expose the tripod socket for use with a tripod, loosen the screw until the pivot collar detaches from the camera.

Note: The screw remains attached to the pivot collar.

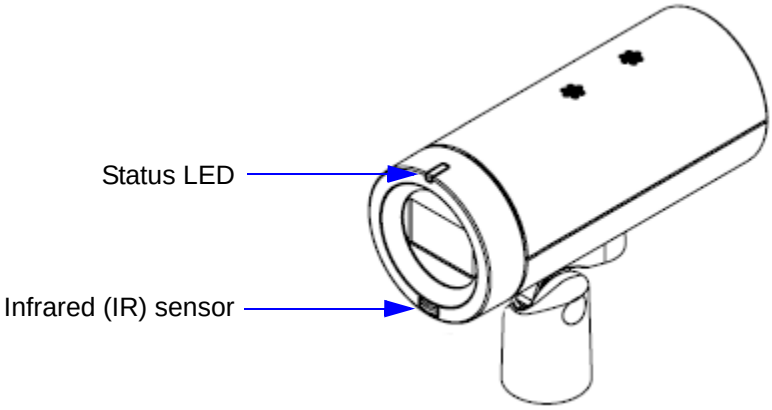


2. Removing the Lens Cap

Remove the lens cap from the camera.



Removing the lens cap also exposes the status LED and the infrared (IR) sensor.



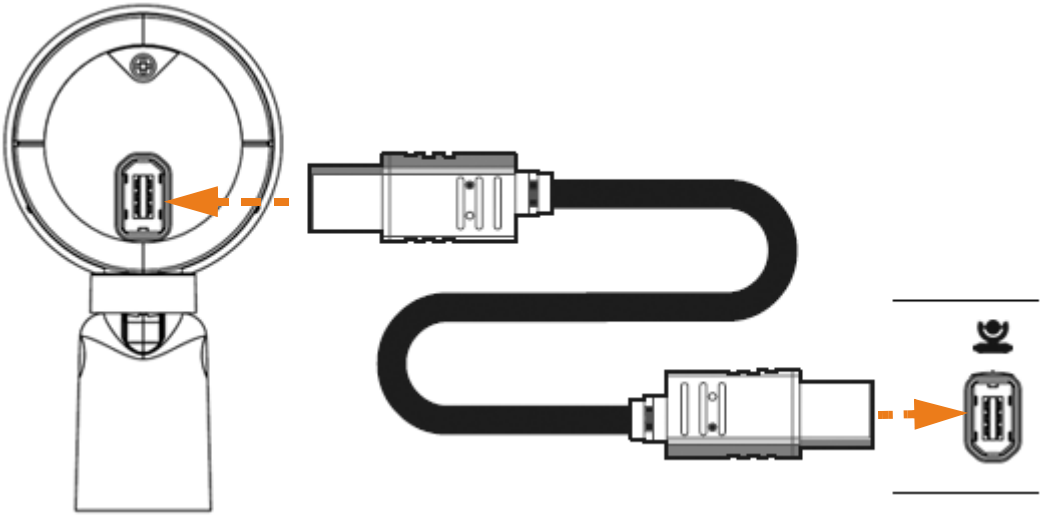
The IR sensor detects signals from the Avaya remote control up to eight meters (26 feet) away when you use the remote control within two meters (6.5 feet) to the left or right of the front of Avaya Video Camera 100. If you use the remote control directly in front of Avaya Video Camera 100, the IR sensor detects the signal up to 14 meters (45 feet) away.

The status LED indicates the status of the camera as follows:

LED Color	**Status**
No color	Power is off.
Purple flash	The camera is initializing.
Blue flash	The camera software is upgrading.
Dim blue	The camera is receiving power and is inactive.
Bright blue	The camera is receiving power and is active.
Bright blue flash	Signal received from the Avaya remote control.
Solid red or purple	The camera is malfunctioning. Contact Avaya Technical Services for assistance.

3. Connecting the Camera to the Codec

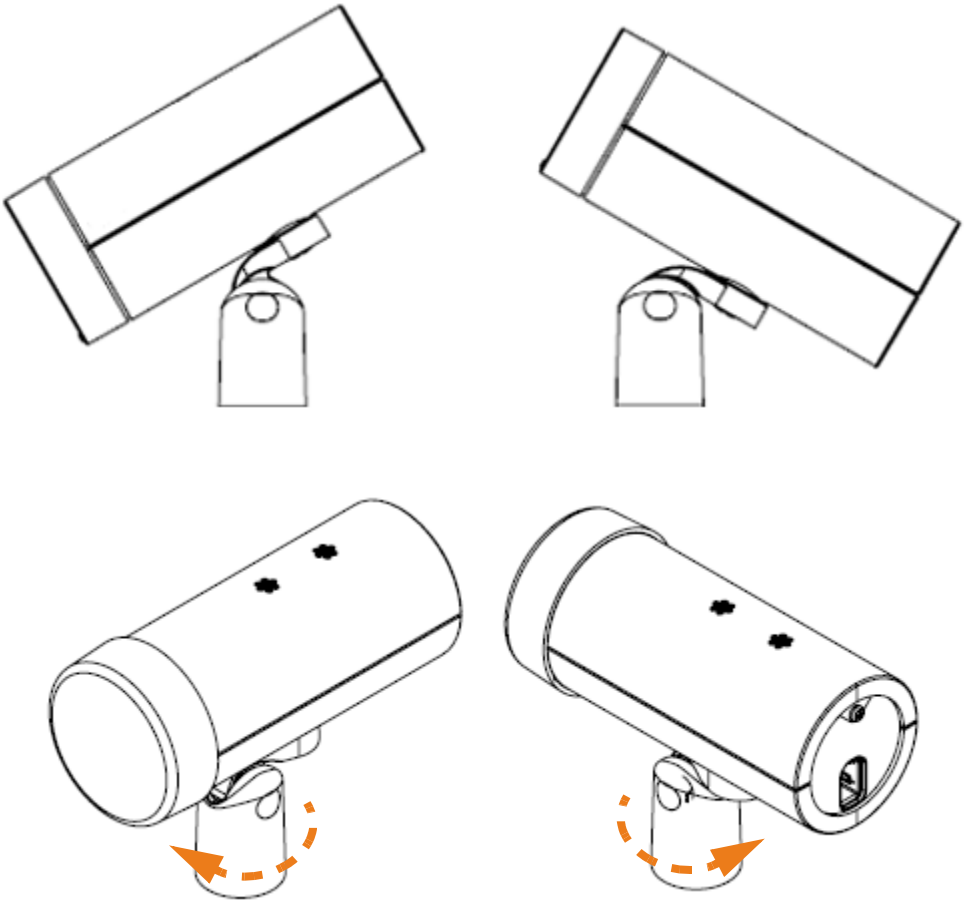
To connect the camera to the Avaya codec, insert one end of the camera cable into the port on the back of the camera and insert the opposite end into the port marked with the camera symbol on the back panel of the codec.



Note: Depending on the model of your Avaya video communications system, the camera symbol appears either above or below the port on the codec.

4. Adjusting the Camera Position

Use the pivot collar to tilt and pivot the camera manually when using either the desktop or display mount. The pan, tilt, zoom, and camera preset buttons on the Avaya remote control are not supported with this camera.



5. Controlling the Camera Microphones

You can use Avaya Video Camera 100 as both the video and audio input for your Avaya video communications system. If you do not have an Avaya Video Conference Phone 1000 or Avaya Video MicPod 1000 connected to your Avaya video communications system in addition to Avaya Video Camera 100, and you use the default system settings, the system uses Avaya Video Camera 100 as the active microphone.

If Avaya Video Camera 100 is one of several audio input devices connected to your system, and you want Avaya Video Camera 100 to be the active microphone, you must explicitly set the active microphone preference at **Administrator Preferences : Audio : Active Microphone**. For more information on selecting the active microphone, refer to the *Avaya Video Communications Systems Administrator Guide*.

Navigate to the **System Information** page on your Avaya system to verify which audio input device is the active microphone. When the active microphone status is *None*, the No Active Microphone indicator appears in the status bar indicating that no active microphone is available.

To control the volume of the active microphone, adjust the **Active Microphone Volume** preference in **User Preferences** or **Administrator Preferences : Audio**.

To mute or unmute the camera microphones during a call, press the mute button on the Avaya remote control. A mute icon appears in the user interface. If an Avaya Video Conference Phone 1000 or Avaya Video MicPod 1000 is connected to the system, you can also mute the microphones on the camera by pressing the mute button on either of these devices.

Troubleshooting

The following sections describe symptoms, possible causes, and potential solutions for common problems you may encounter when installing Avaya Video Camera 100.

No Video

If no video appears in the display from the camera:

- Ensure that the camera cable is securely connected to the camera and to the appropriate camera input on the codec and that nothing is obstructing the cable.
- Verify that the blue LED on the front of the camera is lit, indicating that the camera is receiving power. Reboot the Avaya system if necessary to verify that the camera receives power.

- Navigate to the **System Information** page and locate the **HD Camera 1** and **Type** fields for the cameras. Ensure that the status of each connected camera is *Ready* and that *Fixed* + *Microphone* appears as the type for the Avaya Video Camera 100 connected to the system.
- Ensure that the primary input for your Avaya system is set to the high definition camera.
- Ensure that cable connections from the display to the codec are correct and secure and that the display is receiving power.

Distorted or Dark Video

If video appears blurred or dark:

- Ensure that the camera lens is clean. Use a dry, soft, lint-free cloth to clean the camera lens.
- Adjust the room lighting, or navigate to **User Preferences : Diagnostics : High Definition Camera** and adjust the **HD Camera Brightness** preference.

Distorted Audio Received at Far End

If you are using the camera as the active microphone for audio input during calls and far end participants report distorted audio, ensure that the camera is placed more than .5 meters away from the front of the speakers attached to the Avaya system. Refer to “Installation Prerequisites” on page 5 for information about camera placement.